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</tr>
</tbody>
</table>
Note: User HMI is configurable and allows display functions such as Date, Time, Humidity, Outdoor Temperature, Setpoint, and others to be enabled or disabled by setting various parameters.
HOW TO ENTER SET-UP SCREEN

Touch and hold this point for 3 seconds to enter setup mode

Note: If a configuration/installer password is activated to prevent unauthorised access to the configuration menu parameters, a password entry prompt shows to prevent access to device configuration components.

SETUP SCREEN DISPLAY

Note: The "Network" button does not show if BACnet® or ZigBee® Pro card is installed.

Discover Mode Controller becomes discoverable on wireless ZigBee® Pro network (hidden if ZigBee® Pro settings are not configured)

*only available in recent versions of firmware
SET-UP SCREEN DISPLAY 2/2

**Note:** The Schedule menu screen is directly accessible from the main display if the Schedule Menu configuration parameter is enabled. See Configuration Parameters Screen 6/7 on page 26 for more information.
CLOCK SETTINGS

The Clock settings screen allows the device’s internal time settings to be changed, including current time, standard day, month, year and weekday options, as well as choice between a 12 hour AM / PM display or a 24 hour display.

PARAMETER DETAILS

<table>
<thead>
<tr>
<th>Configuration Parameters</th>
<th>Default Value</th>
<th>Significance and Adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Time Format</strong></td>
<td>AM-PM</td>
<td>Choice between 12 hour AM - PM time format or 24 hour time format.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>AM-PM</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>24 Hours</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Note: Changing the value of this parameter automatically changes the format of the displayed value of the Time parameter directly below.</td>
</tr>
<tr>
<td><strong>Time</strong></td>
<td>--:--</td>
<td>Standard time display, 12 hour AM-PM or 24 hour; format is determined by the <strong>Time Format</strong> parameter value.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>2000</strong></td>
</tr>
<tr>
<td><strong>Year</strong></td>
<td>2000</td>
<td>Current year</td>
</tr>
<tr>
<td><strong>Month</strong></td>
<td>Jan.</td>
<td>Current month</td>
</tr>
<tr>
<td><strong>Day</strong></td>
<td>01</td>
<td>Current day</td>
</tr>
<tr>
<td><strong>Weekday</strong></td>
<td>Sunday</td>
<td>Current day of the week</td>
</tr>
</tbody>
</table>
SCHEDULE SETTINGS

There are 7 different schedule setting screens, one for each day of the week, titled accordingly. Each day can have different scheduled events where the room controller is set to Occupied status or back to Unoccupied status and use the appropriate setpoints, back and forth up to 3 times per day.

PARAMETER DETAILS

<table>
<thead>
<tr>
<th>Configuration Parameters</th>
<th>Default Value</th>
<th>Significance and Adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Occupied</td>
<td>Default value: None</td>
<td>Defines a time when the room controller is automatically set to use the Occupied setpoint.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Note: There are 3 separate Occupied parameter entries</td>
</tr>
<tr>
<td>Unoccupied</td>
<td>Default value: None</td>
<td>Defines a time when the room controller is automatically set to use the Unoccupied setpoint.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Note: There are 3 separate Unoccupied parameter entries</td>
</tr>
</tbody>
</table>
OPTIONS SETTINGS
The options settings screen allows you to determine how the Room Controller will determine whether it is functioning in Occupied or Unoccupied mode and scheduling.

PARAMETER DETAILS

<table>
<thead>
<tr>
<th>Configuration Parameters</th>
<th>Default Value</th>
<th>Significance and Adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Occupancy cmd</td>
<td>Loc occ</td>
<td>Occupancy Command</td>
</tr>
<tr>
<td></td>
<td>Default value: Local occ</td>
<td>Loc occ: occupancy is determined by local sequences (either PIR or schedule, as configured under Occ. source).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Occupied: force occupied mode.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Unoccup: force unoccupied mode.</td>
</tr>
<tr>
<td>Schedule type</td>
<td>7 days</td>
<td>Schedule type Command</td>
</tr>
<tr>
<td></td>
<td>Default value: 7 days</td>
<td>7 days: Independent scheduling; title is identified by day of the week (Sunday through Saturday)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5+1+1 days: Weekdays scheduling and Independent Weekend scheduling; title is identified as Weekdays, Saturday and Sunday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5+2 days: Weekdays scheduling and Weekend scheduling; title is identified as Weekdays and Weekend</td>
</tr>
</tbody>
</table>
WIRELESS ECOSYSTEM

When ZigBee wireless sensors are set up to communicate with a Room Controller, the functioning of each such sensor is described in a separate Zone screen, up to a maximum of 10 Zones. Select the appropriate type of sensor based on the required functioning using the up and down arrow keys.

PARAMETER DETAILS

<table>
<thead>
<tr>
<th>Configuration Parameters</th>
<th>Default Value</th>
<th>Significance and Adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Set function to</strong></td>
<td>None</td>
<td><strong>None</strong>: No sensor function configured for this zone</td>
</tr>
<tr>
<td>Describe function of specified wireless sensor</td>
<td></td>
<td><strong>Door</strong>: Sensor is a door contact switch</td>
</tr>
<tr>
<td>Default value: <strong>None</strong></td>
<td></td>
<td><strong>Window</strong>: Sensor is a window contact switch</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Motion</strong>: Sensor is a motion sensor</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Status</strong>: Updates the BACnet status of the sensor, but no action is taken by the internal logic of the controller.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Remove</strong>: Selecting this function clears the zone of the settings for the attached sensor. However, the sensor will automatically try to reconnect with the room controller unless it is manually reset as well.</td>
</tr>
<tr>
<td><strong>Status</strong></td>
<td>Close: Sensor in closed state (door/window only)</td>
<td><strong>Close</strong>: Sensor in closed state (door/window only)</td>
</tr>
<tr>
<td>Current status of information received from the sensor</td>
<td>Open: Sensor in opened state (door/window only)</td>
<td><strong>Open</strong>: Sensor in opened state (door/window only)</td>
</tr>
<tr>
<td>Read only</td>
<td>No motion: Sensor detects no motion (motion sensor only)</td>
<td><strong>No motion</strong>: Sensor detects no motion (motion sensor only)</td>
</tr>
<tr>
<td></td>
<td>Motion: Sensor detects motion (motion sensor only)</td>
<td><strong>Motion</strong>: Sensor detects motion (motion sensor only)</td>
</tr>
<tr>
<td></td>
<td>None: No status information received from sensor.</td>
<td><strong>None</strong>: No status information received from sensor.</td>
</tr>
<tr>
<td><strong>Battery</strong></td>
<td>Low: Battery power level is low, replacement or recharge will be needed soon</td>
<td><strong>Low</strong>: Battery power level is low, replacement or recharge will be needed soon</td>
</tr>
<tr>
<td>Current status of sensor battery, if any.</td>
<td>Normal: Battery power level is in the normal range, replacement or recharge is not currently needed.</td>
<td><strong>Normal</strong>: Battery power level is in the normal range, replacement or recharge is not currently needed.</td>
</tr>
<tr>
<td>Read only</td>
<td>None: Sensor does not use a battery</td>
<td><strong>None</strong>: Sensor does not use a battery</td>
</tr>
<tr>
<td><strong>Paired</strong></td>
<td>No: Sensor is not paired with the room controller</td>
<td><strong>No</strong>: Sensor is not paired with the room controller</td>
</tr>
<tr>
<td>Sensor pairing state</td>
<td>Yes: Sensor is paired with the room controller</td>
<td><strong>Yes</strong>: Sensor is paired with the room controller</td>
</tr>
<tr>
<td>Read only</td>
<td>Invalid: Incorrect type of sensor (win/door or motion)</td>
<td><strong>Invalid</strong>: Incorrect type of sensor (win/door or motion)</td>
</tr>
</tbody>
</table>
LUA SETTINGS

The LUA settings screens show information about any custom LUA script uploaded to the controller. LUA scripts are not programmable on the controllers, and so must be uploaded to the controllers.

1/3 LUA

LUA program’s name:
User program

Program:
if not init then
    init=true
    delay=0
end
if ME.BV1==1 then
    ME.BO98=1
    delay=60

The title of the LUA script is shown here
The body of the LUA script is shown here

2/3 LUA

Program cmd
Run

Program status
Running

Program error
No error

Debug log:

PARAMETER DETAILS

<table>
<thead>
<tr>
<th>Configuration Parameters</th>
<th>Default Value</th>
<th>Significance and Adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program cmd</td>
<td>Run</td>
<td>Run: The LUA script is activated and will run continuously until deactivated. Stop: The LUA script is deactivated</td>
</tr>
<tr>
<td></td>
<td>Default value: Run</td>
<td></td>
</tr>
<tr>
<td>Program status</td>
<td>Running</td>
<td>Running: The LUA script is current active Halted: The LUA script has been stopped and is not active. Idle: The LUA script is running but is not currently taking any actions Waiting: The LUA script is running and waiting for a response.</td>
</tr>
<tr>
<td></td>
<td>Read only</td>
<td></td>
</tr>
<tr>
<td>Program error</td>
<td>No error</td>
<td>No error: No errors in the LUA script are detected. Syntax: A syntax error in the LUA script is detected Runtime: A runtime error has occurred while running the LUA script. Memory: The device has run out of memory for the script</td>
</tr>
<tr>
<td></td>
<td>Read only</td>
<td></td>
</tr>
</tbody>
</table>
LUA GENERIC PARAMETERS

The LUA settings include six generic parameters that do not have predefined values. These can be used to represent LUA script variables. They are user configurable in their default state, but when they are assigned a value by a LUA script they become read only, and the display colour of the parameter changes to red. These parameters are also modifiable through BACnet as Analog Values (AVs). These parameters can be configured to receive information from ZigBee sensors.

<table>
<thead>
<tr>
<th>3/3 LUA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Param. A (AV25)</td>
</tr>
<tr>
<td>Param. B (AV26)</td>
</tr>
<tr>
<td>Param. C (AV27)</td>
</tr>
<tr>
<td>Param. D (AV28)</td>
</tr>
<tr>
<td>Param. E (AV29)</td>
</tr>
<tr>
<td>Param. F (AV30)</td>
</tr>
</tbody>
</table>

A parameter defined by a LUA script displays in red text.

The default value is normally 0, but it can be user-configured to use a different default value.

PARAMETER DETAILS

<table>
<thead>
<tr>
<th>Configuration Parameters Default Value</th>
<th>Significance and Adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parameter A</td>
<td>AV25 The value(s) of this parameter depends on what is assigned to it using the LUA script function</td>
</tr>
<tr>
<td>Default value: 0</td>
<td></td>
</tr>
<tr>
<td>Default value can be changed by user</td>
<td></td>
</tr>
<tr>
<td>Parameter B</td>
<td>AV26 The value(s) of this parameter depends on what is assigned to it using the LUA script function</td>
</tr>
<tr>
<td>Default value: 0</td>
<td></td>
</tr>
<tr>
<td>Default value can be changed by user</td>
<td></td>
</tr>
<tr>
<td>Parameter C</td>
<td>AV27 The value(s) of this parameter depends on what is assigned to it using the LUA script function</td>
</tr>
<tr>
<td>Default value: 0</td>
<td></td>
</tr>
<tr>
<td>Default value can be changed by user</td>
<td></td>
</tr>
<tr>
<td>Parameter D</td>
<td>AV28 The value(s) of this parameter depends on what is assigned to it using the LUA script function</td>
</tr>
<tr>
<td>Default value: 0</td>
<td></td>
</tr>
<tr>
<td>Default value can be changed by user</td>
<td></td>
</tr>
<tr>
<td>Parameter E</td>
<td>AV29 The value(s) of this parameter depends on what is assigned to it using the LUA script function</td>
</tr>
<tr>
<td>Default value: 0</td>
<td></td>
</tr>
<tr>
<td>Default value can be changed by user</td>
<td></td>
</tr>
<tr>
<td>Parameter F</td>
<td>AV30 The value(s) of this parameter depends on what is assigned to it using the LUA script function</td>
</tr>
<tr>
<td>Default value: 0</td>
<td></td>
</tr>
<tr>
<td>Default value can be changed by user</td>
<td></td>
</tr>
</tbody>
</table>
NETWORK SETTINGS

Network screen shows if a ZigBee card is detected and selection between BACnet or Modbus network protocols.

PARAMETER DETAILS

<table>
<thead>
<tr>
<th>Configuration Parameters</th>
<th>Default Value</th>
<th>Significance and Adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optional prot.</td>
<td>None</td>
<td>None: No ZigBee card detected</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ZigBee: ZigBee card detected</td>
</tr>
<tr>
<td></td>
<td>Default value: None</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Default value can be changed by user</td>
<td></td>
</tr>
<tr>
<td>Wire protocol</td>
<td>None</td>
<td>None: No wired protocol configured</td>
</tr>
<tr>
<td></td>
<td>Default value: None</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BACnet: Enable BACnet network protocol</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Modbus: Enable Modbus network protocol</td>
<td></td>
</tr>
</tbody>
</table>
ZIGBEE PRO NETWORK SETTINGS

ZigBee Pro set-up screen shows when ZigBee card is detected in model. Select desired parameter and use up or down arrow to set parameter to desired value.

PARAMETER DETAILS

<table>
<thead>
<tr>
<th>Configuration parameters default value</th>
<th>Significance and adjustments</th>
</tr>
</thead>
</table>
| **COM address**                        | For wireless models, the use of the COM address is not mandatory. The COM address is an optional way to identify a device on the network and is recommended if used with an MPM.  
It is Mandatory for BACnet |
| Terminal Equipment Controller networking address | Default value = 254  
Range is: 0 to 254 |
| **ZigBee® Pan ID**                     | This parameter (PAN ID) links specific Terminal Equipment Controllers to specific ZigBee® coordinators. For every Terminal Equipment Controller reporting to a coordinator, make sure you set the SAME channel value both on the coordinator and the Terminal Equipment Controller(s).  
The default value of 0 is NOT a valid PAN ID.  
The valid range of available PAN ID is from 1 to 1000.  
Range 1 to 500 for centralized networked applications using a ZigBee® Coordinator.  
Range 501 to 1000 is for stand-alone applications where each controller is its own coordinator for stand alone installation of wireless door and window switches. |
| Personal Area Network Identification  | Default value = 0  
Range is: 1 to 1000 |
PARAMETER DETAILS

<table>
<thead>
<tr>
<th>Configuration parameters default value</th>
<th>Significance and adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZigBee(^\circledR) channel</td>
<td>This parameter (Channel) links specific Terminal Equipment Controllers to specific ZigBee(^\circledR) coordinators. For every Terminal Equipment Controller reporting to a coordinator, make sure you set the SAME channel value both on the coordinator and the Terminal Equipment Controller(s). Using channels 15 and 25 is recommended. The default value of 10 is NOT a valid channel. The valid range of available channel is from 11 to 25.</td>
</tr>
<tr>
<td>Channel selection</td>
<td></td>
</tr>
<tr>
<td>Default value = 10</td>
<td></td>
</tr>
<tr>
<td>Range is: 10 to 25</td>
<td></td>
</tr>
<tr>
<td>ZigBee(^\circledR) status</td>
<td>( Not Det ): ZigBee(^\circledR) module not detected</td>
</tr>
<tr>
<td>(read only)</td>
<td>( Pwr On ): ZigBee(^\circledR) module detected but not configured</td>
</tr>
<tr>
<td></td>
<td>( No NWK ): ZigBee(^\circledR) configured but no network joined</td>
</tr>
<tr>
<td></td>
<td>( Joined ): ZigBee(^\circledR) network joined</td>
</tr>
<tr>
<td></td>
<td>( Online ): Communicating</td>
</tr>
</tbody>
</table>

Note: The display will return to the home screen when no activity is detected for 1 minute.

PARAMETER DETAILS

<table>
<thead>
<tr>
<th>Configuration parameters default value</th>
<th>Significance and adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permit join</td>
<td>Changing this value to &quot;Off&quot; locks out any new ZigBee(^\circledR) devices from joining the network through this controller.</td>
</tr>
<tr>
<td>Default value = On</td>
<td></td>
</tr>
</tbody>
</table>
Note: The display will return to the home screen when no activity is detected for 1 minute.

### PARAMETER DETAILS

<table>
<thead>
<tr>
<th>Configuration parameters</th>
<th>Significance and adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td>IEEE address</td>
<td>The extended IEEE ZigBee® node address is used to identify the device on the network.</td>
</tr>
</tbody>
</table>

IEEE address

Default value = 0x0000
**BACNET NETWORK SETTINGS**

BACnet network set-up screen shows when BACnet is detected in model. Select desired parameter and use up or down arrow to set parameter to desired value.

### PARAMETER DETAILS

<table>
<thead>
<tr>
<th>Configuration Parameters</th>
<th>Default Value</th>
<th>Significance and Adjustments</th>
</tr>
</thead>
</table>
| Comm address             | Terminal Equipment Controller networking address | Communication Address  
For BACnet® MS-TP models, the valid range is from 1 to 127. Default value of 254 disables BACnet® communication for the Terminal Equipment Controller. |
|                          | Default value: 254 | Range: 0 to 254 |
| Network units            | Default value: Imperial | Measurement Units  
**Imperial**: network units shown as Imperial units.  
**SI**: network units shown as International Metric units. |
| Network lang             | Default value: English | Language Settings  
Choice of network language/object names transmitted over network.  
All available choices: (English, French, and Spanish). |
| Baud rate                | Default value: Auto | Baud Rate  
**Auto**: automatically detects BACnet® MS/TP baud rate.  
Other choices: (115200, 76800, 57600, 38400, 19200, and 9600).  
Leave the value at auto unless instructed otherwise. |
**BACNET INSTANCE NUMBER**

The default BACnet® instance number is generated by the model number and COM address of the controller. For example, the instance number of a SE8300U5B00 with a COM address of 57 is generated as “83057”.

The default instance number appears first. To change the instance number, use number pad and press **Accept and save**.

**Press Reset to automatic instance addressing** to reset to automatic instance addressing.
MODBUS NETWORK SETTINGS

Modbus network set-up screen shows when Modbus is detected in model. Select desired parameter and use up or down arrow to set parameter to desired value.

PARAMETER DETAILS

<table>
<thead>
<tr>
<th>Configuration Parameters</th>
<th>Default Value</th>
<th>Significance and Adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comm address</td>
<td>Terminal Equipment Controller networking address</td>
<td>Communication Address</td>
</tr>
<tr>
<td></td>
<td>Default value: 254 Range: 0 to 254</td>
<td></td>
</tr>
<tr>
<td>Network units</td>
<td>Imperial</td>
<td>Measurement Units</td>
</tr>
<tr>
<td></td>
<td>Default value: Imperial</td>
<td></td>
</tr>
<tr>
<td>Baud rate</td>
<td>Auto</td>
<td>Baud Rate</td>
</tr>
<tr>
<td></td>
<td>Default value: Auto</td>
<td></td>
</tr>
<tr>
<td>Parity</td>
<td>None</td>
<td>Parity</td>
</tr>
</tbody>
</table>
### CONFIGURATION PARAMETERS 1/7

**PARAMETER DETAILS**

<table>
<thead>
<tr>
<th>Configuration parameters default value</th>
<th>Significance and adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BI1 config</strong></td>
<td><strong>Binary Input No. 1</strong></td>
</tr>
<tr>
<td>Binary input no.1 configuration</td>
<td>None: no function associated with input</td>
</tr>
<tr>
<td>Default value = None</td>
<td>Rem NSB: remote NSB timer clock input. The scheduling gets set as per the binary input and provides low cost setback operation via a dry contact.</td>
</tr>
<tr>
<td></td>
<td>Motion No and Motion NC: advanced PIR occupancy functions using a Normally Open (NO) or Normally Closed (NC) remote PIR motion sensor.</td>
</tr>
<tr>
<td></td>
<td>Window EMS: forces system to disable any current heating or cooling action by Terminal Equipment Controller.</td>
</tr>
<tr>
<td><strong>BI 2 configuration</strong></td>
<td><strong>Binary Input No. 2</strong></td>
</tr>
<tr>
<td>Binary input no.2 configuration</td>
<td>None: no function associated with input.</td>
</tr>
<tr>
<td>Default value = None</td>
<td>Door Dry: door contact and motion detector.</td>
</tr>
<tr>
<td></td>
<td>Override: temporary occupancy remote override contact.</td>
</tr>
</tbody>
</table>
### PARAMETER DETAILS

<table>
<thead>
<tr>
<th>Configuration parameters default value</th>
<th>Significance and adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RUI1 config</strong>&lt;br&gt;Remote Universal input no.1 configuration&lt;br&gt;Default value = None</td>
<td>Remote Universal Input No. 1&lt;br&gt;<strong>None</strong>: No function will be associated with the input. Input can be used for remote network monitoring.&lt;br&gt;<strong>Filter</strong>: &quot;Filter alarm&quot; will be displayed on the Terminal Equipment Controller LCD screen when the input is energized.&lt;br&gt;<strong>Service</strong>: &quot;Service alarm&quot; will be displayed on the Terminal Equipment Controller LCD screen when the input is energized.&lt;br&gt;<strong>COC/NH</strong>: change over dry contact; normally heat. Used for hot/cold water or air change over switching in 2 pipe systems.&lt;br&gt;<strong>COC/NC</strong>: change over dry contact; normally cool. Used for hot/cold water or air change over switching in 2 pipe systems.&lt;br&gt;<strong>COS</strong>: change over sensor. Used for hot/cold water or air changeover switching in 2 pipe systems.</td>
</tr>
<tr>
<td><strong>RBI 2 config</strong>&lt;br&gt;Remote Binary input no.2 configuration&lt;br&gt;Default value = None</td>
<td>None: No function will be associated with the input. Input can be used for remote network monitoring.&lt;br&gt;<strong>Filter</strong>: &quot;Filter alarm&quot; will be displayed on the Terminal Equipment Controller LCD screen when the input is energized.&lt;br&gt;<strong>Service</strong>: &quot;Service alarm&quot; will be displayed on the Terminal Equipment Controller LCD screen when the input is energized.</td>
</tr>
<tr>
<td><strong>Occupancy src</strong>&lt;br&gt;Default value: Motion</td>
<td><strong>Occupancy Source</strong>&lt;br&gt;<strong>Motion</strong>: occupancy status is received from a motion sensor.&lt;br&gt;<strong>Schedule</strong>: occupancy status is determined by the schedule.</td>
</tr>
<tr>
<td><strong>Smart recovery</strong>&lt;br&gt;Smart recovery enabled&lt;br&gt;Default value: Off&lt;br&gt;Smart recovery is automatically disabled if UI 16 and / or UI 17 are configured remote NSB</td>
<td>Off = no smart recovery&lt;br&gt;The occupied schedule time is the time at which the system will restart.&lt;br&gt;On = smart recovery active.&lt;br&gt;The occupied schedule time is the time at which the desired occupied temperature will be attained. The controller will automatically optimize the equipment start time.&lt;br&gt;In any case, the latest a system will restart is 10 minutes prior to the occupied period time.</td>
</tr>
</tbody>
</table>
CONFIGURATION PARAMETERS 2/7

PARAMETER DETAILS SCREEN 2/7

<table>
<thead>
<tr>
<th>Configuration parameters default value</th>
<th>Significance and adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto mode</td>
<td>Auto Mode</td>
</tr>
<tr>
<td>Default value: On</td>
<td>Enables auto function for the mode button</td>
</tr>
<tr>
<td></td>
<td>For sequences 2, 4, and 5 only</td>
</tr>
<tr>
<td></td>
<td>On: auto active (Off-Cool-Heat-Auto)</td>
</tr>
<tr>
<td></td>
<td>Off: auto not active (Off-Cool-Heat)</td>
</tr>
<tr>
<td>Fan menu</td>
<td>Fan Speeds</td>
</tr>
<tr>
<td>Default value = Local</td>
<td>User fan menu presented is dependent on selected fan sequence of operation for the fan coil.</td>
</tr>
<tr>
<td></td>
<td>L-M-H: 3 Speed configuration using 3 fan relays.</td>
</tr>
<tr>
<td></td>
<td>L-H: 2 Speed configuration using 2 fan relays.</td>
</tr>
<tr>
<td></td>
<td>L-M-H-A: 3 Speed configuration with Auto fan speed mode using 3 fan relays. Auto Mode operation is dependent on Auto Fan parameter.</td>
</tr>
<tr>
<td></td>
<td>L-H-A: 2 Speed configuration with Auto fan speed mode using 2 fan relays. Auto Mode operation is dependent on Auto Fan parameter.</td>
</tr>
<tr>
<td></td>
<td>On-Auto: single Speed configuration. Auto is for Fan on demand/On is On all the time.</td>
</tr>
<tr>
<td>Auto fan func.</td>
<td>Automatic Fan Function</td>
</tr>
<tr>
<td>Auto Fan Function</td>
<td>Auto Speed Fan Mode operation for Fan Menu (L-M-H-A) or (L-H-A).</td>
</tr>
<tr>
<td>Default value: AS</td>
<td>AS: auto speed during occupied periods. Fan is always on during occupied periods.</td>
</tr>
<tr>
<td></td>
<td>AS/AD: auto Speed/Auto Demand during occupied periods.</td>
</tr>
</tbody>
</table>
### PARAMETER DETAILS SCREEN 2/7

<table>
<thead>
<tr>
<th>Configuration parameters default value</th>
<th>Significance and adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fan cont. heat</strong>&lt;br&gt;Default is: On</td>
<td><strong>Fan control in heating mode</strong>&lt;br&gt;<em>On</em>: the controller in all cases will always control the fan (terminals Low-Med—Hi Fan Speed). Valid in any fan sequences and all the available fan modes.</td>
</tr>
<tr>
<td><strong>Standby mode</strong>&lt;br&gt;Default value: Abs</td>
<td><strong>Standby Mode</strong>&lt;br&gt;Choose which standby setpoints are used for control.</td>
</tr>
<tr>
<td><strong>Standby diff.</strong>&lt;br&gt;Default value: 2 °C (3 °F)</td>
<td><strong>Standby Difference</strong>&lt;br&gt;When Standby mode is Relative, standby setpoints are calculated as:</td>
</tr>
</tbody>
</table>
PARAMETER DETAILS SCREEN 3/7

<table>
<thead>
<tr>
<th>Configuration parameters default value</th>
<th>Significance and adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standby time</strong></td>
<td></td>
</tr>
<tr>
<td>Default 0.5 hours</td>
<td><strong>Standby Time</strong></td>
</tr>
<tr>
<td></td>
<td>Time delay between the moment where the PIR cover detects last movement in the area, and the time which the Terminal Equipment Controller stand-by setpoints become active.</td>
</tr>
<tr>
<td></td>
<td>Range: 0.5 to 24.0 hours in 0.5 hours increments.</td>
</tr>
<tr>
<td><strong>Unocc. time</strong></td>
<td></td>
</tr>
<tr>
<td>Default 0.0 hours</td>
<td><strong>Unoccupied Time</strong></td>
</tr>
<tr>
<td></td>
<td>Time delay between the moment where the Terminal Equipment Controller toggles to stand-by mode, and the time which the Terminal Equipment Controller unoccupied mode and setpoints become active.</td>
</tr>
<tr>
<td></td>
<td>Factory value 0.0 hours: Setting this parameter to its default value of 0.0 hours disables the unoccupied timer. This prevents the Terminal Equipment Controller to drift from stand-by mode to unoccupied mode when PIR functions are used.</td>
</tr>
<tr>
<td></td>
<td>Range: 0.0 to 24.0 hours in 0.5 hours increments.</td>
</tr>
<tr>
<td><strong>Temp. occ. time</strong></td>
<td></td>
</tr>
<tr>
<td>Default value = 2 hours</td>
<td><strong>Temporary Occupancy Time</strong></td>
</tr>
<tr>
<td></td>
<td>Temporary occupancy time with occupied mode setpoints when override function is enabled.</td>
</tr>
<tr>
<td></td>
<td>When Terminal Equipment Controller is in unoccupied mode, function is enabled with either the menu or BI2 configured as remote override input.</td>
</tr>
<tr>
<td></td>
<td>Range: 0 - 24 hours.</td>
</tr>
<tr>
<td>Configuration parameters default value</td>
<td>Significance and adjustments</td>
</tr>
<tr>
<td>----------------------------------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td><strong>Deh. hysteresis</strong>&lt;br&gt;Default value = 5 % RH</td>
<td><strong>Humidity Control Hysteresis</strong>&lt;br&gt;Used only if dehumidification sequence is enabled:&lt;br&gt;Range: 2 to 20% RH&lt;br&gt;<strong>Models with humidity sensor only.</strong></td>
</tr>
<tr>
<td><strong>Deh. max. cool.</strong>&lt;br&gt;Default value = 100 %</td>
<td><strong>Maximum Dehumidification Cooling</strong>&lt;br&gt;Maximum cooling valve position when dehumidification is enabled. This can be used to balance smaller reheat loads installed in regards to the capacity of the cooling coil.&lt;br&gt;Range: 20 to 100 %&lt;br&gt;<strong>Models with humidity sensor only.</strong></td>
</tr>
<tr>
<td><strong>Deh. lockout</strong>&lt;br&gt;Default value: Enabled</td>
<td><strong>Dehumidification Lockout</strong>&lt;br&gt;Typically toggled through the network. This variable enables or disables dehumidification based on central network requirements from the BAS front end.&lt;br&gt;Enabled = Dehumidification Authorized&lt;br&gt;Disabled = Dehumidification Not Authorized&lt;br&gt;<strong>Models with humidity sensor only.</strong></td>
</tr>
</tbody>
</table>
PARAMETER DETAILS SCREEN 4/7

<table>
<thead>
<tr>
<th>Configuration parameters default value</th>
<th>Significance and adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cool CPH</strong></td>
<td><strong>Cooling output cycles per hour</strong></td>
</tr>
<tr>
<td>Default value = 4 C.P.H.</td>
<td>Will set the maximum number cycles per hour under normal control operation. It represents the maximum number of cycles that the equipment will turn ON and OFF in one hour.</td>
</tr>
<tr>
<td></td>
<td>Note that a higher C.P.H will represent a higher accuracy of control at the expense of wearing mechanical components faster.</td>
</tr>
<tr>
<td></td>
<td>Range is: 3, 4, 5, 6,7 &amp; 8 C.P.H.</td>
</tr>
<tr>
<td><strong>Heat CPH</strong></td>
<td><strong>Heating output cycles per hour</strong></td>
</tr>
<tr>
<td>Default value = 4 C.P.H.</td>
<td>Sets the maximum number cycles per hour under normal control operation. It represents the maximum number of cycles that the equipment will turn ON and OFF in one hour.</td>
</tr>
<tr>
<td></td>
<td>Note that a higher C.P.H will represent a higher accuracy of control at the expense of wearing mechanical components faster.</td>
</tr>
<tr>
<td></td>
<td>Range is: 3, 4, 5, 6,7 &amp; 8 C.P.H.</td>
</tr>
<tr>
<td><strong>Cooling valve</strong></td>
<td>Sets the type of valve used for cooling</td>
</tr>
<tr>
<td>Default value = NC</td>
<td><strong>NC</strong> = Valve is normally closed when no power is present.</td>
</tr>
<tr>
<td></td>
<td><strong>NO</strong> = Valve is normally opened when no power is present.</td>
</tr>
<tr>
<td><strong>Heating valve</strong></td>
<td>Sets the type of valve used for heating.</td>
</tr>
<tr>
<td>Default value = NC</td>
<td><strong>NC</strong> = Valve is normally closed when no power is present.</td>
</tr>
<tr>
<td></td>
<td><strong>NO</strong> = Valve is normally opened when no power is present.</td>
</tr>
</tbody>
</table>
### PARAMETER DETAILS SCREEN 4/7

<table>
<thead>
<tr>
<th>Configuration parameters default value</th>
<th>Significance and adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Setpoint func.</strong></td>
<td><strong>Setpoint function</strong></td>
</tr>
<tr>
<td>Local setpoint settings</td>
<td>Sets the local setpoint interface for the user</td>
</tr>
<tr>
<td>Default value: Dual SP</td>
<td><strong>Dual SP</strong> (Dual Occupied Setpoints Adjustment)</td>
</tr>
<tr>
<td></td>
<td><strong>Attach SP</strong> (Single Occupied Setpoint Adjustment)</td>
</tr>
<tr>
<td><strong>Mode button</strong></td>
<td><strong>Mode button</strong></td>
</tr>
<tr>
<td>Default value: Normal</td>
<td><strong>Normal</strong>: Displays temperature Setpoints on main screen</td>
</tr>
<tr>
<td></td>
<td><strong>Off-auto</strong>: Hides temperature Setpoints on main screen</td>
</tr>
</tbody>
</table>
CONFIGURATION PARAMETERS 5/7

5/7 Configuration

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prop. band</td>
<td>3.0</td>
</tr>
<tr>
<td>Pulsed heat</td>
<td>Off</td>
</tr>
<tr>
<td>No. of pipes</td>
<td>2</td>
</tr>
<tr>
<td>Operation seq.</td>
<td>Cool/Heat</td>
</tr>
<tr>
<td>Purge sample</td>
<td>2.0 hrs</td>
</tr>
<tr>
<td>Purge open</td>
<td>2 min</td>
</tr>
</tbody>
</table>

PARAMETER DETAILS SCREEN 5/7

<table>
<thead>
<tr>
<th>Configuration parameters default value</th>
<th>Significance and adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prop. band</strong></td>
<td><strong>Proportional Band Setting</strong></td>
</tr>
<tr>
<td>Default value= 3</td>
<td>Adjusts proportional band used by the Terminal Equipment Controller PI control loop.</td>
</tr>
</tbody>
</table>

**Note:** default value of 3.0 gives satisfactory operation in most normal installation cases. The use of a superior proportional band different than the factory one is normally warranted in applications where Terminal Equipment Controller location is problematic and leads to unwanted cycling of the unit. A typical example is a wall mounted unit where Terminal Equipment Controller is installed between return and supply air feeds and is directly influenced by the supply air stream of unit.

<table>
<thead>
<tr>
<th>Value</th>
<th>Effective Proportional Band</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Fahrenheit</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>10</td>
<td>10</td>
</tr>
</tbody>
</table>
PARAMETER DETAILS SCREEN 5/7

<table>
<thead>
<tr>
<th>Configuration parameters default value</th>
<th>Significance and adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pulsed heating</strong></td>
<td>VDC output configuration. SC3000 series model dependent.</td>
</tr>
<tr>
<td>Default value = Off</td>
<td><strong>Off</strong> = Regular On-Off control for SC350xE models only.</td>
</tr>
<tr>
<td></td>
<td>Can be used with 2 &amp; 4 pipes applications.</td>
</tr>
<tr>
<td></td>
<td><strong>On</strong> = VDC SSR electric heat 10 second pulsed time base modulation for SC340xE models only.</td>
</tr>
<tr>
<td></td>
<td>Can only be used with 2 pipes system only.</td>
</tr>
<tr>
<td></td>
<td><strong>Occ Out</strong> = VDC Occupancy output follows local device occupancy for SC3514E model only.</td>
</tr>
<tr>
<td></td>
<td>• Occupied &amp; Temporary Occupied = Contact closed</td>
</tr>
<tr>
<td></td>
<td>• Stand-By &amp; Unoccupied = Contact opened</td>
</tr>
</tbody>
</table>

| **No. of pipes**                        | **Number of pipes**      |
| Default is: 2 Pipes                    | Defines the type of system installed. |

| **Operation seq.**                     | **Operation sequence** |
| Default is: Heating only               | Selects the initial sequence of operation required by the installation type and the application. |
|                                        | 2 Pipes                |
| Cool only                              | Cooling only           |
| Heat only                              | Heating only           |
| Cool / Heat                            | Cooling with electric reheat |
| Heat-Rht                               | Heating with electric reheat |
| Reheat                                 | Electric reheat only   |

| Purge sample                           | Time interval between valve samples. Will open valve for a short period adjusted by “Purge open” parameter in order to sample pipe temperature to decide between heating or cooling mode. |
| Default is: 2 hrs                      | Adjustable from 0 to 4 hrs. (0 = disable this function). |

| Purge open                             | Time the valve will open to sample pipe temperature (to decide between heating or cooling mode). |
| Default is: 2 min                      | Adjustable from 1 to 3 min. |
CONFIGURATION PARAMETERS 6/7

PARAMETER DETAILS

<table>
<thead>
<tr>
<th>Configuration parameters default value</th>
<th>Significance and adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Main password</strong></td>
<td><strong>Installer password</strong></td>
</tr>
<tr>
<td>Default value = 0</td>
<td>This parameter sets a protective access password to prevent unauthorized access to the configuration menu parameters. A default value of &quot;0&quot; will not prompt a password or lock the access to the configuration menu. Range is: 0 to 9999.</td>
</tr>
<tr>
<td><strong>User password</strong></td>
<td><strong>User password</strong></td>
</tr>
<tr>
<td>Default value = 0</td>
<td>This parameter sets a protective access password to prevent user unauthorized access to main screen adjustments. A default value of &quot;0&quot; will not prompt for a password. Range is: 0 to 9999.</td>
</tr>
<tr>
<td><strong>Schedule menu</strong></td>
<td><strong>Enabled</strong></td>
</tr>
<tr>
<td>Default value: Enabled</td>
<td>The Schedule Menu is directly accessible from the main screen via a touch in the upper corner (see page 4)</td>
</tr>
<tr>
<td><strong>Notes</strong></td>
<td><strong>Disabled</strong></td>
</tr>
<tr>
<td>Toggles activation of schedule menu direct access</td>
<td>The Schedule Menu can only be accessed through the Setup Menu screens</td>
</tr>
<tr>
<td><strong>Calib. temp.</strong></td>
<td><strong>Room temperature sensor calibration</strong></td>
</tr>
<tr>
<td>Default value = 0.0 °C or °F</td>
<td>Offset that can be added/subtracted to actual displayed room temperature. Range is: ± 2.5 °C, 0.1 °C increments (± 5.0 °F, 0.1 °F increments).</td>
</tr>
<tr>
<td><strong>Calib. humid.</strong></td>
<td><strong>Humidity sensor calibration</strong></td>
</tr>
<tr>
<td>Default value = 0 %RH</td>
<td>Offset that can be added/subtracted to actual displayed humidity. Range is: ± 15.0 %RH. Models with humidity sensor only.</td>
</tr>
</tbody>
</table>
CONFIGURATION PARAMETERS 7/7

PARAMETER DETAILS

<table>
<thead>
<tr>
<th>Configuration parameters default value</th>
<th>Significance and adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Erase all? Are you sure? Default values = No</td>
<td>Answering “Yes” to these two questions and pressing the “Accept” button, will erase all values to factory’s default values except the following network-related values: COM address, ZigBee® Pan ID, ZigBee® channel, Network units, Network lang., Baud rate, BACnet® instance, Device name.</td>
</tr>
</tbody>
</table>
## SETPOINT SETTINGS 1/2

### PARAMETER DETAILS

<table>
<thead>
<tr>
<th>Configuration parameters default value</th>
<th>Significance and adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Unocc. cool</strong>&lt;br&gt;Default value = 26.5 °C (80 °F)</td>
<td><strong>Unoccupied cooling setpoint</strong>&lt;br&gt;Range is: 12.0 to 37.5 °C (54 to 100 °F)</td>
</tr>
<tr>
<td><strong>Standby cool</strong>&lt;br&gt;Default value = 25.5 °C (78 °F)</td>
<td><strong>Standby cooling setpoint</strong>&lt;br&gt;The value of this parameter should be set between the occupied and unoccupied cooling setpoints. Make sure that the difference between the stand-by and occupied value can be recovered in a timely fashion when movement is detected in the zone. Stand-by cooling setpoint range is: 12.0 to 37.5 °C (54 to 100 °F).</td>
</tr>
<tr>
<td><strong>Occ. cool</strong>&lt;br&gt;Default value = 24.0 °C (74 °F)</td>
<td><strong>Occupied cooling setpoint</strong>&lt;br&gt;Range is: 12.0 to 37.5 °C (54 to 100 °F).</td>
</tr>
<tr>
<td><strong>Occ. heat</strong>&lt;br&gt;Default value = 22.0 °C (72 °F)</td>
<td><strong>Occupied heating setpoint</strong>&lt;br&gt;Range is: 12.0 to 37.5 °C (54 to 100 °F).</td>
</tr>
<tr>
<td><strong>Standby heat</strong>&lt;br&gt;Default value = 20.5 °C (69 °F)</td>
<td><strong>Stand-by heating setpoint</strong>&lt;br&gt;The value of this parameter should be set between the occupied and unoccupied heating setpoints. Make sure that the difference between the stand-by and occupied value can be recovered in a timely fashion when movement is detected in the zone. Stand-by heating setpoint range is: 4.5 to 32.0 °C (40 - 90 °F).</td>
</tr>
<tr>
<td><strong>Unocc. heat</strong>&lt;br&gt;Default value = 16.5 °C (62 °F)</td>
<td><strong>Unoccupied heating setpoint</strong>&lt;br&gt;Range is: 4.5 to 32.0 °C (40 to 90 °F).</td>
</tr>
</tbody>
</table>
**SETPOINT SETTINGS**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Default Value</th>
<th>Significance and Adjustments</th>
</tr>
</thead>
</table>
| Default heat    | 22.0 °C (73 °F)             | Default Heat  
Used for hospitality applications in stand-alone mode only. When devices are in deep unoccupied mode, any movement detected by PIR resets actual occupied set points to fresh room default setting.  
Default setpoint is used to write to Heating setpoint when the Room Controller goes to Unoccupied mode.  
Cooling setpoint is set according to Min. deadband; 18.5 to 26.5 °C (65 to 80 °F).  
This parameter is only used when Stand-by mode = Offset. |
| Min. deadband   | 1.5 °C (3.0 °F)             | Minimum deadband value between the heating and cooling setpoints. Applied only when any of the setpoints are modified.  
Range is: 1.0 to 2.5 °C, 0.5 °C increments (2, 3, 4 or 5 °F, 1.0 °F increments). |
| Max. heating    | 32.0 °C (90.0 °F)           | Maximum occupied & unoccupied heating setpoint adjustment.  
Range: 4.5 to 32.0 °C (40 to 90 °F).                                                                                                                        |
| Min. cooling    | 12.0 °C (54.0 °F)           | Minimum occupied & unoccupied cooling setpoint adjustment.  
Range: 12.0 to 37.5 °C (54 to 100 °F).                                                                                                                      |
| Dehum. SP       | 50 % RH                    | Dehumidification setpoint  
Used only if dehumidification sequence is enabled:  
Range: 30-95% RH.  
Models with humidity sensor only |
DISPLAY SETTINGS

PARAMETER DETAILS

<table>
<thead>
<tr>
<th>Configuration parameters default value</th>
<th>Significance and adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td>User HMI</td>
<td>Select user HMI type.</td>
</tr>
<tr>
<td>Default value = 0</td>
<td>Range: 0 to 11.</td>
</tr>
</tbody>
</table>

User HMI - hospitality

These parameters are model dependent and may not appear on certain models.
User HMI - hospitality

4 (Hospitality)

<table>
<thead>
<tr>
<th>Time</th>
<th>Room 1705</th>
<th>Standby</th>
<th>Indoor °C</th>
</tr>
</thead>
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<tr>
<td>09.26.2012 12:54 PM</td>
<td>Room 1705</td>
<td>Standby</td>
<td>23.5°</td>
</tr>
</tbody>
</table>

5 (Hospitality)

<table>
<thead>
<tr>
<th>Time</th>
<th>Room 1705</th>
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</tr>
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6 (Hospitality)

<table>
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</tr>
</tbody>
</table>

User HMI - commercial

7 (Commercial)

<table>
<thead>
<tr>
<th>Time</th>
<th>Room 1705</th>
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<th>Indoor °C</th>
</tr>
</thead>
<tbody>
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8 (Commercial)

<table>
<thead>
<tr>
<th>Time</th>
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9 (Commercial)

<table>
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<tr>
<th>Time</th>
<th>Room 1705</th>
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</thead>
<tbody>
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</tbody>
</table>

10 (Commercial)

<table>
<thead>
<tr>
<th>Time</th>
<th>Room 1705</th>
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</tr>
</thead>
<tbody>
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</tbody>
</table>

11 (Commercial)

<table>
<thead>
<tr>
<th>Time</th>
<th>Room 1705</th>
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<tbody>
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<td>Room 1705</td>
<td>Standby</td>
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</tr>
</tbody>
</table>

**Note:** The day/night setback button appears only in unoccupied mode from 7 to 11 in HMI Commercial. If BI2 input is configured as "override", the day/night setback button does not show.

These parameters are model dependent and may not appear on certain models.
Other functions

RH Display = Configuration + model dependent
Outdoor Temp = When set by network

If main display parameter is set to "setpoint", the setpoint value is as shown

On/Off shows when the sequence of operation is set to heating or cooling only

Time and Date shows only if it has been properly set
Setpoint adjustment

**Cooling mode or cooling only sequence of operation**

In Cooling mode, the setpoint displayed in the bar is the current occupied cooling setpoint.

During occupied setpoint adjustment, the large digits are temporarily used to display the occupied cooling setpoint while it is adjusted.

Normal temperature display resumes after the setpoint is adjusted and the actual occupied cooling setpoint is displayed in the setpoint bar.

**Heating mode or heating only sequence of operation**

In Heating mode, the setpoint displayed in the bar is the current occupied heating setpoint.

During occupied setpoint adjustment, the large digits are temporarily used to display the occupied heating setpoint.

Normal temperature display resumes after the setpoint is adjusted and the actual occupied heating setpoint is displayed in the setpoint bar.

**Automatic Heating / Cooling mode**

In automatic mode, the setpoint displayed at the top of the setpoint bar located directly under the blue line represents the actual occupied cooling setpoint.

During occupied setpoints adjustment, the large digits are temporarily used to display the occupied “Cooling Setpoint” or occupied “Heating Setpoint”. The actual setpoint is dependent on the last effective demand (heating or cooling).

Normal temperature display resumes after the setpoints are adjusted and the actual occupied heating and cooling setpoints are displayed in the setpoint bar.
## PARAMETER DETAILS

<table>
<thead>
<tr>
<th>Configuration parameters default value</th>
<th>Significance and adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Color</strong></td>
<td>Select user HMI colour.</td>
</tr>
<tr>
<td>Default value = White</td>
<td>Other choices: Green, Blue, Dark Grey, and Grey.</td>
</tr>
<tr>
<td><strong>Main display</strong></td>
<td>Select default value displayed on main display: Temperature or setpoint.</td>
</tr>
<tr>
<td>Default value = Temp.</td>
<td>Choices: Temperature or setpoint.</td>
</tr>
<tr>
<td><strong>Disp. cust. img.</strong></td>
<td>Selecting &quot;Yes&quot; shows a custom image after 2 minutes of touch screen inactivity.</td>
</tr>
<tr>
<td>Default value = No</td>
<td></td>
</tr>
<tr>
<td><strong>Contrast</strong></td>
<td>Controls the screen contrast and brightness.</td>
</tr>
<tr>
<td>Default value: 0</td>
<td>0 is least bright, most contrast; 5 is most bright, least contrast.</td>
</tr>
<tr>
<td></td>
<td>Range: 0 to 5</td>
</tr>
</tbody>
</table>

### Customisable colour options

- **White**
- **Green**
- **Blue**
- **Dark Grey**
- **Grey**
DISPLAY SETTINGS

<table>
<thead>
<tr>
<th>2/2 Display</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Language</strong></td>
</tr>
<tr>
<td><strong>Units</strong></td>
</tr>
<tr>
<td><strong>Low backlight</strong></td>
</tr>
<tr>
<td><strong>Night backlight</strong></td>
</tr>
<tr>
<td><strong>RH display</strong></td>
</tr>
</tbody>
</table>

This parameter is only displayed on models with built in humidity sensor

PARAMETER DETAILS

<table>
<thead>
<tr>
<th>Configuration parameters default value</th>
<th>Significance and adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Language</strong></td>
<td>Language</td>
</tr>
<tr>
<td>Default value: English</td>
<td>Select language for main display.</td>
</tr>
<tr>
<td>Only EN, FR and SP available for BACnet models.</td>
<td>Choices: English, French, Spanish, Chinese, Russian, Arabic, Bulgarian, Czech, Danish, Dutch, Finnish, German, Hungarian, Indonesian, Italian, Norwegian, Polish, Portuguese, Slovak, Swedish, Turkish</td>
</tr>
<tr>
<td><strong>Units</strong></td>
<td>Temperature Units</td>
</tr>
<tr>
<td>Default value = °C</td>
<td>Sets default local scale value when Terminal Equipment Controller powers up.</td>
</tr>
<tr>
<td></td>
<td>°C for Celsius.</td>
</tr>
<tr>
<td></td>
<td>°F for Fahrenheit.</td>
</tr>
<tr>
<td><strong>Low backlight</strong></td>
<td>Backlight Display</td>
</tr>
<tr>
<td>Default value is 60%</td>
<td>Set display backlight intensity after 2 minutes of keyboard inactivity.</td>
</tr>
<tr>
<td></td>
<td>Adjustable: 0 to 100%.</td>
</tr>
</tbody>
</table>
## PARAMETER DETAILS

<table>
<thead>
<tr>
<th>Configuration parameters default value</th>
<th>Significance and adjustments</th>
</tr>
</thead>
</table>
| **Night backlight**  
Default value = 5%                   | **Night Backlight Display**  
Set display backlight intensity after 2 minutes of keyboard inactivity.  
Adjustable: 0 to 100%.  
Parameter only available for models with motion/light detectors. The screen backlight progressively decreases down to this setting when room is dark. This feature is used mostly in hospitality applications when a darker non obtrusive lighting level is desired when room is dark. |
| **RH display**  
Default value = Disabled              | **Relative Humidity Display**  
Enables display of humidity below room temperature on the display  
(On): Display %RH.  
(Off): Do not display %RH.  
Models with humidity sensor only |

---

German: "PARAMETER DETAILS"  
Deutsch: "PARAMETER DETAILS"  
Nederlands: "PARAMETER DETAILS"  
Русский: "PARAMETER DETAILS"  
Español: "PARAMETER DETAILS"  
Italiano: "PARAMETER DETAILS"  
日本語: "PARAMETER DETAILS"  
Português: "PARAMETER DETAILS"  
ไทย: "PARAMETER DETAILS"  
हिंदी: "PARAMETER DETAILS"  
العربية: "PARAMETER DETAILS"  
한국어: "PARAMETER DETAILS"
SERVICE VIEW SCREENS

The service view screens show the current status of certain points locally at the controller. These points can also be viewed through the network.

1/5 Service view

- Firmware revision of the controller: 1.0
- Room temperature: xx.x °C
- Changeover temperature: xx.x °C
- Supply temperature: xx.x °C
- Outdoor temperature: xx.x °C
- Room Humidity: xx.x %RH

2/5 Service view

- Effective occupancy: Occupied
- PI cooling demand: 0 %
- PI heating demand: 0 %
- Cool dem. limit: 0 %
- Heat dem. limit: 0 %

*This parameter is only displayed on models with built in humidity sensor*
### 3/5 Service view

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Binary 1 input</td>
<td>Not activ.</td>
</tr>
<tr>
<td>BI1 binary</td>
<td></td>
</tr>
<tr>
<td>BI2 binary</td>
<td>Not activ.</td>
</tr>
<tr>
<td>Remote universal input 1</td>
<td>Activated</td>
</tr>
<tr>
<td>RUI1 binary</td>
<td></td>
</tr>
<tr>
<td>RBI2 binary</td>
<td>Activated</td>
</tr>
<tr>
<td>Zigb. PIR inst.</td>
<td>Off</td>
</tr>
<tr>
<td>Zigb. PIR mot.</td>
<td>0 %RH</td>
</tr>
</tbody>
</table>

This parameter is only displayed on models with a installed ZigBee communication module.

### 4/5 Service view

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Window alarm</td>
<td>Off</td>
</tr>
<tr>
<td>Service alarm</td>
<td>Off</td>
</tr>
<tr>
<td>Filter alarm</td>
<td>Off</td>
</tr>
<tr>
<td>Recovery status</td>
<td>Off</td>
</tr>
<tr>
<td>Local motion</td>
<td>Motion</td>
</tr>
<tr>
<td>Dehumidification</td>
<td>Off</td>
</tr>
</tbody>
</table>

This parameter is only displayed on models with built in humidity sensor.
TEST OUTPUTS SCREENS

Note 1: Cooling output can also be used for heating on two pipes systems.

Note 2: The test output screen allows manual override of specified outputs. When any BACnet® network priority array includes a value, the status background shows in red. After any output state is overridden, the command is cancelled after 1 min of screen inactivity (auto exit to main screen) or when page is exited. Refer to the BACnet® integration guide for more details.

The Model Number is the BACnet® device name automatically assigned when using the current BACnet® addressing scheme based on the MAC address. The network can update and change the device BACnet® name. If changed, the new updated BACnet® device name shows on the screen.

For example, when a SE8300U5B00 thermostat with a MAC address of 41 is connected to a network, its default Device Name is SE8300UxB00-41 and its default BACnet Device ID is 83041.
Pulsed HT dem. 0%

Pulsed electric reheat demand used with the Relay Pack

LANGUAGE SELECTION

1/4 Language selection

French Enabled
Spanish Enabled
Chinese Enabled
Russian Enabled
Arabic Disabled

2/4 Language selection

Bulgarian Disabled
Czech Disabled
Danish Disabled
Dutch Disabled
Finnish Disabled
Only English, French, Spanish, Chinese and Russian are enabled by default, which means that they will be accessible to users cycling through languages on the display settings menu screen. To change the language selection settings, touch a language on the screen and then use the arrow buttons to disable or enable it. The English language is always enabled.
Technical Support

For any issues with SmartStruxure Solution or SmartStruxure Lite, contact Schneider Electric Technical Support according to your region.

AMERICAS

- +1-(978)-975-9508: Andover, MA, USA, 8:30am - 5:00pm (EST)
- +1-(800)-830-1274: Carrollton, TX, USA, 8:00am - 5:00pm (CST)
- +1-(888)-444-1311: Rockford, IL, USA, 8:00am - 5:00pm (CST)

EUROPE

- +44-1628-741-147: London, England, UK, 8:00am - 4:30pm (GMT)
- +46-40-38-69-00: Malmö, Sweden, 8:00am - 4:15pm (CET/CEST)

ASIA PACIFIC

Contact Technical Support at https://ecobuilding.schneider-electric.com/support